# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 00:00 on Sunday 24 Sep 2023 until 23:59 on Monday 25 Sep 2023

Forecast Issued on Saturday 23 Sep 2023 at 14:10

**Confidence:** High confidence for turning more unsettled, with rain and strong winds. Lower confidence for the potential for stormy conditions midweek.

**Headline for Sunday 24 Sep 2023:** Cloudy, with spells of rain, locally heavy at times, during the morning. Drier and brighter into the afternoon. Gusty winds on the summits.

**Mountain weather hazards on Sunday 24 Sep 2023**

**Blizzards**
No Likelihood

**Gales**
Low Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent snow**
No Likelihood

**Severe chill effect**
No Likelihood

**Heavy persistent rain**
Medium Likelihood

**Storm force winds**
No Likelihood

**Poor visibility**
Medium Likelihood

**Strong sunlight**
No Likelihood

**Weather and chance of precipitation at 600m**

| Time | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| Heavy Rain | Light rain | Heavy Rain | Heavy Rain | Cloudy | Cloudy | Cloudy | Light rain |
| Precipitation probability | | | | | | | |
| 80% | 60% | 60% | 80% | 60% | 10% | 10% | 60% |

**Forecast for Sunday 24 Sep 2023**

**Weather:** Cloudy, with persistent rain, locally heavy at times, especially on southern and southwestern upslopes, gradually moving northeastwards during the morning. The rain should clear to the north by early afternoon, with most places becoming largely dry, albeit rather cloudy, with occasional brighter spells developing to the north and east of higher ground. Low cloud is likely to persist on the south and west facing summits throughout the day. A further band of rain, locally heavy, will arrive from the west by midnight.

**Chance of cloud-free hill tops above 600m:** 10% throughout the day on the summits, improving to 60% elsewhere, especially to the north and east of higher ground.

**Low cloud and visibility:** Cloud bases down to 200-400m on southern and western facing slopes throughout the day. Visibility will be very poor in heavy rain overnight and during the morning, although gradually improving to become good or very good by late-afternoon and evening.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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# Met Office Mountain Weather Forecast

**Forecast for Sunday 24 Sep 2023**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 25/37 S | 27/39 S | 26/37 S | 26/37 S | 28/39 S | 27/39 S | 29/43 S | 33/48 S | 30/44 S |
| **300** | 18/27 S | 20/31 S | 20/31 S | 19/29 S | 21/32 S | 22/33 S | 21/33 S | 24/39 S | 22/36 S |
| **Valley** | 11/25 S | 13/29 S | 14/30 S | 13/29 S | 15/32 S | 16/34 S | 17/35 S | 19/40 S | 17/36 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 10/5 | 10/6 | 11/7 | 12/8 | 13/9 | 14/9 | 13/8 | 12/7 | 12/8 |
| **300** | 11/8 | 12/8 | 14/10 | 15/11 | 16/12 | 16/12 | 16/12 | 15/10 | 14/11 |
| **Valley** | 12/9 | 13/10 | 14/12 | 15/13 | 16/14 | 17/14 | 16/13 | 16/12 | 15/12 |
| **Freezing Level*** | 3100m | 3000m | 3200m | 3400m | 3500m | 2600m | 2400m | 2900m | 3000m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Winds will be strengthening to reach gale force on the summits during Sunday, with gusts up to 45-50mph, especially later in the day. Extra care will need to be taken if spending any length of time walking or hiking on the hills, with extra layers and water proof clothing needed. Suitable footwear will be required as underfoot will be muddy and slippery on some surfaces.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 14:00 on Fri 22 Sep 2023 | 0mm | 0.2mm | 0.2mm |

**Forecast for Monday 25 Sep 2023**

**Weather:** A band of rain, locally heavy, will quickly move eastwards, clearing shortly after midnight. Becoming dry with some clear spells developing, especially to the north and east of higher ground. Monday will see a mixture of sunny spells and frequent showers. The showers are likely to be heavy and possibly thundery at times, especially during the afternoon. Any daytime showers easing to leave a dry end to the day, with clear spells developing for most.

**Maximum wind:** South to southwesterly 30-35mph, gusting 45-50mph overnight and early morning. Winds gradually easing through the day, becoming 15-20mph, gusting 25-30mph.

**Chance of cloud-free hill tops above 600m:** 10% chance first thing, improving to 90%.

**Low cloud and visibility:** Cloud bases down to 300-400m at first, before lifting above the summits. Visibility will be poor in heavy rain at first, improving to become very good.

**Temperature:** **Valleys:** Plus 9 Celsius, becoming Plus 19 Celsius.
**At 600m:** Plus 10 Celsius, becoming Plus 14 Celsius.
**Freezing level:** Above the summits.

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